

Winstar Wireless, Inc.  
FCC Form 442  
Exhibit 1  
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Winstar Wireless, Inc. is proposing to conduct a program of experimentation and demonstration of the capabilities of Point-to-Multipoint Wireless Radio Communications systems ("PMP") in the 27.5 – 28.35 GHz, 29.1 – 29.25 GHz, and 31.0 – 31.3 GHz band ("LMDS"). Winstar Wireless is a subsidiary of Winstar Communications, Inc. (collectively "Winstar"), a company that is a pioneer in providing business customers with broadband communications services, including local and long distance phone service, as well as high-speed Internet access, data and information services. Winstar is the licensee for 16 licenses in the LMDS band and currently provides facilities-based wireless telecommunications services in most of the top 60 U.S. markets pursuant to the company's 39 GHz and LMDS licenses.

Winstar is requesting nationwide Experimental Authority to test deployment of its LMDS PMP fixed microwave services to customers throughout the country in a variety of deployment scenarios. These tests typically last for approximately 3 months, after which the equipment is removed. A wide variety of tests would be performed on these systems to verify how they carry voice, traffic data and video traffic in accordance with Winstar's requirements and the manufacturer's specifications.

It is worth noting that in September 1999, Winstar announced plans for the commercial rollout of its 39 GHz PMP service. As part of an accelerated deployment plan:

- Winstar has been able to integrate PMP technology into its network in several U.S. markets, including Washington DC, Phoenix, Oakland, San Jose, Seattle and Salt Lake City.
- Winstar has deployed PMP technology in Amsterdam, Netherlands and will deploy it shortly in other international markets.
- Winstar signed an agreement with Siemens Information and Communication Networks, Inc., which has teamed with P-Com, Inc. to manufacture, deploy and install PMP equipment for Winstar. It is anticipated that purchases under the agreement could reach as much as \$400 million over the next five years. Winstar has also issued a purchase order to Hughes Network Systems for PMP equipment and related services. This purchase order is part of a previously announced agreement that Winstar entered into with Hughes in August 1998.
- Finally, Lucent has agreed to include these purchases under the \$2 billion financing agreement, which was established between Winstar and Lucent in October 1998.

For the past four years, Winstar has been working with Hughes and Siemens, leading manufacturers and systems integrators, to develop PMP technology. This technology will not only reduce Winstar's network deployment costs in the United States and allow for more efficient use of spectrum, but it will also allow Winstar to serve more

buildings from each local hub site. These results, along with the efficiency enhancements and product innovations developed through the Experimental License, will allow Winstar to better serve the public interest.

Finally, Winstar understands that its operations under this Experimental License are secondary to any licensed activities in this band. Winstar will thus take steps to ensure that its operations under this Experimental Authority do not cause any harmful interference to any licensed operations.